

Amendments to the Claims:

Claims 1-6 (canceled).

7. (new) An apparatus for internal inspection of a pipe or tube, said apparatus comprising:
- a separate ultrasonic measuring head sufficiently small to pass through one or more 1D bends in the pipe or tube;
 - at least one separate carrier member sufficiently small to pass through one or more 1D bends in the pipe or tube;
 - a separate cable reel sufficiently small to pass through one or more 1D bends in the pipe or tube; and
 - a plurality of flexible coupling tubes which sequentially interconnect said measuring head, said at least one carrier member, and said cable reel, said coupling tubes having a diameter substantially smaller than a diameter of said carrier member and having sufficient tensile rigidity to enable transportation of said apparatus in the pipe or tube.
8. (new) The apparatus of claim 7 wherein said cable reel comprises an axis of rotation substantially parallel to a direction of travel of said apparatus.
9. (new) The apparatus of claim 7 wherein said cable reel is operable to wind and unwind a cable.
10. (new) The apparatus of claim 9 wherein said cable comprises a data communications cable.
11. (new) The apparatus of claim 10 wherein said cable comprises a glass-fibre cable.

12. (new) The apparatus of claim 11 wherein said cable comprises a thickness of less than approximately 0.125 mm.

13. (new) The apparatus of claim 11 wherein said cable comprises a length of up to approximately 3 km.

14. (new) The apparatus of claim 9 wherein said cable supplies power to said apparatus.

15. (new) The apparatus of claim 10 wherein said cable is coupled to a data processor.

16. (new) The apparatus of claim 15 wherein said data processor is located outside the pipe or tube.

17. (new) The apparatus of claim 7 wherein said at least one carrier member comprises a power supply.

18. (new) The apparatus of claim 17 wherein said power supply comprises one or more batteries.

19. (new) The apparatus of claim 7 wherein said at least one carrier member comprises an electronics.

20. (new) The apparatus of claim 19 wherein said electronics comprise an electronic control unit.

21. (new) The apparatus of claim 7 wherein said coupling tubes comprise hydraulic tubes.

22. (new) The apparatus of claim 7 wherein each of said coupling tubes is approximately 10 cm long.

23. (new) The apparatus of claim 7 wherein said coupling tubes comprise at least one steel covering.

24. (new) The apparatus of claim 23 wherein said at least one steel covering comprises woven steel.

25. (new) The apparatus of claim 24 wherein said coupling tubes comprise three woven steel coverings.

26. (new) The apparatus of claim 7 wherein lengths of said coupling tubes are chosen in accordance with a flexural stiffness of said coupling tubes.

27. (new) The apparatus of claim 26 wherein said coupling tubes are sufficiently bendable to allow passage of said apparatus through one or more 1D bends in the pipe or tube.

28. (new) The apparatus of claim 7 wherein the 1D bends comprise 180 degree 1D bends.